

TECH SPRAY,INC -- FD ELECTRONIC CLEANER 100 % FREON TF 1638 A -- 6850-00-105-3084

===== Product Identification =====

Product ID:FD ELECTRONIC CLEANER 100 % FREON TF 1638 A

MSDS Date:08/08/1989

FSC:6850

NIIN:00-105-3084

MSDS Number: BMDLN

=== Responsible Party ===

Company Name:TECH SPRAY,INC

Address:88 HUGHES STREET

Box:949

City:AMARILLO

State:TX

ZIP:79105

Country:US

Info Phone Num:800-692-4677 OR 800-858-4043

Emergency Phone Num:806-372-8523

Preparer's Name:J.

WITCHER

CAGE:JO768

=== Contractor Identification ===

Company Name:TECH SPRAY INC

Address:1001 NW 1ST

Box:949

City:AMARILLO

State:TX

ZIP:79105-0949

Country:US

Phone:806-372-8523

CAGE:54700

Company Name:TECH SPRAY,INC

Address:88 HUGHES STREET

Box:949

City:AMARILLO

State:TX

ZIP:79105

Country:US

Phone:800-692-4677 OR 800-858-4043

CAGE:JO768

===== Composition/Information on Ingredients =====

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)/FREON TF

CA

S:76-13-1
RTECS #:KJ4000000
Fraction by Wt: 80%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000PPM/1250STEL
ACGIH TLV:1000PPM/1250STEL9192
Ozone Depleting Chemical:1

Ingred Name:CHLORODIFLUOROMETHANE
CAS:75-45-6
RTECS #:PA6390000
Fraction by Wt: 18%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
ACGIH TLV:1000PPM; 9192
Ozone Depleting Chemical:2

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: < 2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30
000STEL;93

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALE:MAY CAUSE
SUFFOCATION,SHORTNESS OF BREATH,CONFUSION,NARCOSIS,CARDIAC
IRREGULARITIES,UNCONSCIOUSNESS OR EVEN DEATH.EYES:CAN CAUSE SLIGHT
IRRITATION & CORNEAL INJURY.SKIN:PROLONGED/REPEATED CONTACT CAN
CAUSE DEFATTING.ORAL:LOW TOXICITY BUT HAS ASPI
RATION HAZARD,GI &
CNS EFFECTS.CHRONIC-MAY CAUSE DERMATITIS.
Effects of Overexposure:MAY CAUSE SUFFOCATION, SHORTNESS OF BREATH,
CONFUSION, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR
EVEN DEATH. CAN CAUSE SLIGHT EYE IRRITATION & CORNEAL INJURY.
PROLONGED/REPEATED SKIN CONTACT CAN CAUSE DEFATTING. ORALLY HAS
LOW TOMODERATE TOXICITY AND HAS ASPIRATION HAZARD, GI & CNS
EFFECTS.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
MORE SUSCEPT

IBLE TO THIS MATERIAL.

===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.SKIN:WASH WITH SOAP & WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO NOT IN DUCE VOMITING.IF CONSCIOUS,DRINK 2 GLASSES OF WATER & IMMEDIATELY SEEK MEDICAL ATTENTION.DO NOT TAKE ADRENALINE OR OTHER SIMILAR CARDIAC STIMULANTS TO TREAT EFFECTS OF OVE
REXPOSURE TO THIS PRODUCT.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:AEROSOL
CANS MAY ERUPT WITH FORCE AT
TEMPERATURES ABOVE 120F.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA WELL AND AVOID BREATHING VAPORS. VAPOR CONCENTRATION WILL BE HIGHEST ALONG FLOOR AND IN LOW LYING AREAS. PICK UP LIQUID ON SUITABLE ABSORBENT AND STORE IN SEALED CONTAINERS.

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE-STORE IN COOL,WELL VENTILATED
A
REA AWAY FROM HEAT & FLAMES.

Other Precautions:KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.
THIS PRODUCT FOR INDUSTRIAL USE ONLY. DO NOT USE IN CLOSED SPACE.
AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON
CLOTHING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS OPERATED IN POSITIVE PRESSURE MODE OR ORGANIC VAPOR MASK.
Ventilation:AS REQUIRED TO CONTROL

TLV IN AIR
Protective Gloves:NEOPRENE OR PVA
Eye Protection:SPLASH-PROOF SAFETY GOGGLES OR GLASSES
Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING
Work Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES REQUIRE THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL.
Supplemental Safety and Health
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A OR B, SAME NSN.

===== Physical/Chemical Properties ==
=====

HCC:V2
Boiling Pt:=46.7C, 116.F
Vapor Density:6.5
Solubility in Water:INSOLUBLE
Appearance and Odor:CLEAR WATER-WHITE MOBILE LIQUID WITH SLIGHT ETHEREAL ODOR
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
REACTIVE ALKALI METALS, STRONG ACIDS AND BASES
Stability Condition to Avoid:HEAT AND OPEN FLAME
Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, CHLORINE, CAR
BON DIOXIDE AND CARBON MONOXIDE

===== Disposal Considerations =====

Waste Disposal Methods:MATERIAL MAY BE DISPOSED OF BY A LICENSED RECLAIMER OR INCINERATION FACILITY. CONSULT LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants

this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.